

## CSIR-North East Institute of Science & Technology, Jorhat

Connecting Science & Technology for a Brighter Tomorrow

### Er S C Kalita, Scientist-in-charge, CSIR-NEIST delivers hopeful message on New Year's Day



Er S C Kalita (center), Scientist-in-charge delivering the New Year's address on 1 January 2019 with Dr Jatin Kalita (left), Head, RPBD Division and Shri Ajay Kumar, Hindi Officer, delivering the same in Assamese and Hindi respectively.

Er S C Kalita, Scientist-in-charge, CSIR-NEIST addressed the staff members on 1 January 2019 in front of Dr J N Baruah auditorium and extended warm wishes to all. He called out for a progressive and collective effort to meet future challenges and expressed hope that the Institute surges ahead with new aspirations and dreams for the betterment of the society. Er Kalita also made a brief recap of the Institute's performance in 2018 and mentioned the achievements made in terms of technology transfer, technology commercialization, projects undertaken, Ph Ds produced, infrastructure development, and societal activities. A total of 18 technologies were transferred to 20 companies from various parts of the country while 5 technologies have gone into commercialization, he informed. He also highlighted the achievements made in paper publications, patents, and external cash flow. He encouraged all to gear up and strive for achieving higher goals with socio-economic relevance in the coming times. He acknowledged the contribution of each and everyone for the achievements made in 2018. Declaring the year 2019 as the year of *Science & Technology Interventions in Rural India*, he urged everyone to embrace the New Year with

renewed vigour & energy and work with utmost dedication in serving the society by providing need-based technological solutions. The address was also delivered in Assamese and Hindi by Dr Jatin Kalita, Head, RPBD Division and Shri Ajay Kumar, Hindi Officer respectively. On the occasion, Er Kalita released the Institute's Calendar and Diary for 2019.



(From above) CSIR-NEIST staff attending the New Year's address. Er Kalita (right) releasing CSIR-NEIST Calendar 2019 on the occasion.

### CSIR-NEIST celebrated 70th Republic Day

CSIR-NEIST celebrated the 70<sup>th</sup> Republic Day along with rest of the country on 26 January 2019 with much zeal and enthusiasm. A flag hoisting programme was held in front of the administrative block wherein Er S C Kalita, Scientist-in-charge, CSIR-NEIST addressed the gathering. Er Kalita inspected the Guard of Honour and unfurled the National flag amidst a large gathering of CSIR-NEIST staff along with their family members and

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Anonymous

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Er S C Kalita, Scientist-in-charge, CSIR-NEIST unfurling the National Flag during 70th Republic Day celebration at CSIR-NEIST.



Er Kalita, delivering his address on the occasion.

students and teachers of KV-NEIST. NEIST security staff and students from KV-NEIST took part in the parade, followed by the address by Er Kalita. Speaking on the occasion, Er Kalita called upon everyone to take pride and be responsible in protecting the sovereignty and integrity of the country and contribute in the growth and development of the nation. He further briefed some significant contributions made by CSIR and the Institute and encouraged all to continue their efforts in keeping the

organization's as well as the Institute's flag high. As a part of the celebration, replicas of National Flag and sweets were later distributed to the children. In the later part of the day, various sports activities were held at CSIR-NEIST's play ground.

**Jorhat Town Official Language Implementation Committee (TOLIC) meeting held at CSIR-NEIST**



35th Town Official Language Implementation Committee (TOLIC) meeting held at CSIR-NEIST.

The 35<sup>th</sup> meeting of Town Official Language Implementation Committee (TOLIC) Jorhat was held on 30 January 2019 under the chairmanship of Dr Samit Chattopadhyay, Director, CSIR-NEIST. TOLIC formed by the Ministry of Home Affairs, Government of India under the chairmanship of Director CSIR-NEIST serves in guiding and reviewing the progress of Hindi as Official Language in all Central Government offices, Banks, PSU including Defence (Army and Air Force) and Para-military (CRPF, CISF) offices of Jorhat which also constitute members of TOLIC. The Member-Secretary of the committee Mr Ajay Kumar, Hindi Officer CSIR-NEIST, Jorhat conducted the meeting wherein all the heads or representatives of CRPF, CISF, Indian Army, Air Force, Central Muga & Eri Research Institute, Rubber Board, UCO Bank, Postal Department, National Insurance Co., United India Insurance, Indian Bank, Indian Overseas Bank, Indian Bank, Bank of Baroda, Kendriya Vidyalaya ONGC, Air Force participated in the meeting. The main objective of the meeting was to discuss the imple-

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-mentation of Rajbhasha in govt. offices. The meeting dealt with the status and progress of official language Hindi in various offices in terms of bilingual/trilingual board, name plate, stamp, letter pad, publication, news etc. Dr Chattopadhyay suggested to follow the Hindi implementation as our official requirement.

### Colloquium held

**Topic:** New Bio-Active Molecules from Indian Flora (Terrestrial, Marine and Lichens) and Their Therapeutic Applications.

**Speaker:** Dr Katragadda Suresh Babu, Pr Scientist, Centre for Natural Products and Traditional Knowledge, CSIR-IICT, Hyderabad.

**Date:** 24 January 2019.

**Venue:** Ashima Chatterjee Hall, CSIR-NEIST.

### Awards/Accolades

**Assam Science Society confers Prof Harish Chandra Goswami Memorial Fellowship – 2018 to Dr Manob Jyoti Bordoloi, Sr Principal Scientist**

Dr Manob Jyoti Bordoloi, Sr Principal Scientist & Head, Chemical Sciences & Technology Division has been awarded Prof Harish Chandra Goswami Memorial Fellowship–2018 for his outstanding original research contribution in the field of Chemical Science on 13 January 2019 at Digboi, Assam.



Dr Manob Jyoti Bordoloi, Sr Principal Scientist

**Dr Sanjib Gogoi, Scientist, receives Thieme Chemistry Journals Award 2019**

Dr Sanjib Gogoi, Scientist, Applied Organic Chemistry Group, has been conferred the Thieme Chemistry Journals Award 2019 by the editorial board members of SYNTHESIS, SYNLETT and SYNFACTS. The award instituted in



Dr Sanjib Gogoi, Scientist

1999 is aimed to encourage young scientists and prospective chemists who have been recognized as high-potential researchers in the field of synthetic organic chemistry. The award was conferred on 7 January 2019.

**Er Nibir Pran Borah, Technical Officer, receives Best Poster Presentation Award**

Er Nibir Pran Borah, Technical Officer, Applied Civil Engineering Group, has been awarded the Best Poster Presentation Award for his poster entitled, 'River Brahmaputra silt for use in improvement of high plasticity soil' presented at the two-day "International Workshop on Advances in Sustainable Civil Infrastructure Development" held at Assam Kaziranga University, Jorhat during 22-23 January 2019.



Er Nibir Pran Borah, Technical Officer

### Papers published

#### In International Peer Reviewed Journals

- Kakati N, Assanvo E F, Kalita D: Alkalinization and Graft Copolymerization of Pineapple Leaf Fiber Cellulose and Evaluation of Physico-Chemical Properties, *Polymer Composites*, 2018 p: 1-9
- Borra S, Chandrasekhar D, Newar U D, Maurya R A: Access to 2,3-Fused Pyrroles via Visible Light Driven Coupling of  $\alpha$ -Azidochalcones with 1/2-Naphthols, or 2-Hydroxy-1,4-Naphthoquinone, *Journal of Organic Chemistry*, 2019, 84 p: 1042-1052
- Sharma A, Gogoi P: A cascade process for the synthesis of ortho-formyl allyl aryl ethers and 2H-chromen-2-ol derivatives from arynes via trapping of o-quinone methide with an activated alkene, *Organic Biomolecular Chemistry*, 2019, 17 p: 333-346



# INFOWATCH



AN IN-HOUSE MONTHLY COMMUNICATION  
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- Borthakur P, Boruah P K, Das M R, Szunerits S, Boukherroub R: Cu(0) nanoparticle-decorated functionalized reduced graphene oxide sheets as artificial peroxidase enzymes: application for colorimetric detection of Cr(VI) ions, *New Journal of Chemistry*, 2019, 43 p: 1404-1414
  - Nongthombam G S, Borah K, Muinao T, Silla Y, Pal M, Dekaboruah H P, Boruah R C: Synthesis of D.Ring Annulated Pyridosteroids from *fA*.Formyl Enamides and Their Biological Evaluations, *ACS Combinatorial Science*, 2019, 21 p: 11-27
  - Borah N, Mapelli S, Pecchia P, Bithika C, Saikia S P: Adaptation of *Camelina sativa* (L.) Crantz in Assam, India: agronomic, physiological and biochemical aspects of a potential biofuel feedstock, *Biofuels*, 2019 (<https://doi.org/10.1080/17597269.2018.1537205>)
  - Borah K, Sharma S, Silla Y: Structural bioinformatics-based identification of putative plant based lead compounds for Alzheimer Disease Therapy, *Computational Biology and Chemistry*, 2019, 78 p: 359-366
  - Darabdhara G, Bordoloi J, Manna P, Das M R: Biocompatible bimetallic Au-Ni doped graphitic carbon nitride sheets: A novel peroxidase-mimicking artificial enzyme for rapid and highly sensitive colorimetric detection of glucose, *Sensors and Actuators, B: Chemical*, 2019, 285 p: 277-290. **Highest Impact Factor Paper (IF: 5.667)**
  - Hazarika M, Boruah P K, Pal M, Das M R, Tamuly C: Synthesis of Pd-rGO Nanocomposite for the Evaluation of In Vitro Anticancer and Antidiabetic Activities, *ChemistrySelect*, 2019, 4 p: 1244 -1250
- CSIR-NEIST w.e.f 31 January 2019.
1. **Mrs Anjumoni Bharali**, Principal Technical Officer
  2. **Mr Himen Borthakur**, Assistant Gr I
  3. **Mr Bikul Kalita**, Sr Technician (2)

## Farewell

The following member(s) of the staff have retired from Council's service on superannuation from